DC-645 SLITTER/CUTTER/CREASER



- *Up to 6 slits, 15 cuts, & 10 creases in 1 pass*
- *Processing speed up to 26 sheets per minute*
- *Automatic image shift compensation*
- *Barcode reader for automatic job set up*
- *Ideal for business cards, brochures, greeting cards, photographs, and much more*

Precision Slit, Cut, & Crease Finishing Solution for Digital Color Documents

The Duplo DC-645 is the ideal finishing solution for digital color documents. Unlike any in the industry, the DC-645 slits, cuts, and creases documents in a single pass at an incredible speed of 26 sheets per minute. Unattractive white borders and cracked spines of digitally printed documents are problems of the past as the DC-645 produces a wide variety of professional quality, full-bleed applications such as business cards, greeting cards, invitations, brochures, pamphlets, catalogs, posters, book/CD covers, photographs, and more by simply loading the automatic high-capacity feeder.

CONSISTENT ACCURACY

A barcode reader automatically sets up the system and reads the image registration mark so that all the operations of the machine are related to the position of the image on the paper rather than to the physical dimensions of the paper itself. This unique feature automatically corrects the problem of image drift inherent in many digital print engines. The system's creasing capability eliminates image cracking problems also associated with digital prints. The DC-645's vacuum feeding system minimizes the risk of marking or misfeeding, while an additional air knife compressor blows air with each feed cycle to aid sheet separation of heavier stock.

VERSATILE PRODUCTIVITY

Capable of performing 6 slits, 15 cuts, and 10 creases per sheet, maximizing productivity is guaranteed with the DC-645. This powerful digital finishing system features the ability to manage heavier substrates up to 350 gsm and larger sheet sizes, faster processing speed, easy customer-replaceable modules, and a rigid structure, making the DC-645 the ideal finishing product for heavy-duty production environments. Downtime is minimized when a built-in ultrasonic sensor detects double-feeds and automatically sends these sheets into a reject tray.

EASE OF OPERATION

Job details can be programmed either on the control panel or via a computer with installed software. A barcode reader enables this unique system to automatically recall pre-programmed jobs for fast and easy operation. After each sheet is slit/cut/creased, margin, gutter slit, and gutter cut strips are automatically disposed into the waste bin as each finished sheet is neatly stacked on the output stacker.

READY FOR THE FUTURE

Future enhancements will include job tracking and data transfer for full integration of JDF work flows.



FEED DIRECTION = ⇦





DC-645

specifications

Speed	Up to 26 sheets per minute[1]
Paper Weight	30 lb. bond - 130 lb. cover (110 gsm - 350 gsm)
Paper Size	Input: 210 mm x 210 mm (8.26” x 8.26”) to 370 mm x 650 mm (14.56” x 25.59”) Minimum output: slit width 48 mm (1.89”) x cut length 85 mm (3.35”)
Paper Type	Non-coated, coated, laminated[2]
Input Tray Capacity	100 mm (3.93”)
Slitters	Six rotary slitters (two margin and four center slitters)
Slit Accuracy	±0.2 mm (±0.3 mm for business cards)
Margin Slit Width	3.2 mm - 40 mm from paper edge
Gutter Slit Width	5 mm - 15 mm (gutter strips wider than 15 mm will output on stacker tray)
Cuts	Up to 15 cuts per sheet
Minimum Cut Length	Lead edge cut: 3.2 mm Gutter cut: 4 mm Trail edge cut: 5 mm
Cut Accuracy	±0.2 mm (±0.3 mm for business cards)[3]
Creases	Up to 10 creases per sheet
Crease Accuracy	±0.2 mm on finished size[3]
Crease Depth Adjustment	Three steps
Gutter Deflector	Up to two gutter slits per sheet
Stacker Capacity	140 mm (5.5”)
Standard Features	Maximum 80 job program memory; proof feed mode (process one sheet); job program computer interface (with software installed) via USB connector; air knife; skew adjustment; double feed detection and reject; image shift compensation with REG mark; automatic set-up with barcode; gutter deflector; image shrinkage compensation
Optional Module	Business card module
Power Consumption	120V 50/60Hz 3.3A
Dimensions (LxWxH)	30” x 90” x 45” (with additional tray 30” x 97” x 45”)
Weight	793 lbs. (360 kg)

[1] Letter size two cuts and one crease
[2] Varies upon paper weight, size, and laminated coating
[3] Varies upon crease number and depth

Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions. As part of our continuous product improvement program, specifications are subject to change without notice.



Automatic lift feed tray rids marking or misfeeding, as the vacuum feeding system and air knife compressor aid sheet separation.



Barcode reader automatically recalls and sets up pre-programmed jobs.



Customer-replaceable modules demonstrate versatile applications with the widest range of substrates.



Built-in ultrasonic sensor detects double feed and automatically sends rejected sheets to reject tray.



Margin, gutter slit, and gutter cut strips are automatically disposed in the waste bin.



Attachable business card stacker with individual guides guarantees neatly stacked business cards.



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